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 TI Adamite rolls with high wear and surface roughening resistance for hot
 rolling of steels
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 SO Jpn. Kokai Tokkyo Koho, 7 pp.
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AB In the adamite roll, the outer material comprises a **Fe** alloy
 containing **C** 1.0-2.5, **Si** 0.2-2.0, **Mn** 0.2-2.0,
Ni 0.2-3.0, **Cr** 0.5-4.0, **Mo** 0.2-2.0, **B**
 0.001-0.50, **Al** 0.001-0.50, **Ti** 0.001-0.50, **Zr** 0.001-0.50, **Cu**
 0.001-0.50, **Mg** 0.001-0.50, and **Ca** 0.001-0.50 weight%, optionally with **W**
 0.2-3.0, **V** 0.2-3.0, **Nb** 0.2-3.0, and/or **Co** 0.2-3.0 weight%. Since the
Fe alloy has a microstructure containing uniform and fine spherical
 grains of **M3C** eutectic carbide, the adamite roll has high wear resistance
 and surface roughening resistance.